

Docket No. 248628US0X

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Jean-Luc JESTIN, et al.

SERIAL NO: New U.S. Application

FILED: Herewith

FOR: METHODS FOR OBTAINING THERMOSTABLE ENZYMES, DNA POLYMERASE I VARIANTS FROM THERMUS AQUATICUS HAVING NEW CATALYTIC ACTIVITIES, METHODS FOR OBTAINING THE SAME, AND APPLICATIONS OF THE SAME

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



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Daniel J. Pereira, Ph.D.

Registration No. 45,518

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 248628US0X		SERIAL NO. New U.S. Application	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Jean-Luc JESTIN, et al.					
		FILING DATE Herewith		GROUP			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,632,645	03/02/00	Promega			
	AB	5,618,711	04/08/97	Gelfand, et al.			
	AC	6,495,673	12/17/02	Neri, et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO	
	AO	1 152 062	07/11/01	EUROPE			
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	Gang XIA, et al., "Directed evolution of novel polymerase activities: Mutation f a DNA polymerase into an efficient RNA polymerase", PNAS, May 14, 2002, Vol. 99, No. 10, pp. 6597-6602					
	AX	B. VILLBRANDT, et al., "Investigations on the thermostability and function of truncated Thermus aquaticus DNA polymerase fragments", Protein Engineering, Vol. 10, No. 11, pp. 1281-1288, 1997					
	AY	Frances C. LAWYER, et al., "Isolation, Characterization, and Expression in Escherichia coli of the DNA Polymerase Gene from Thermus aquaticus", The Journal of Biological Chemistry, Vol. 264, No. 11, Issue of April 15, 1989, pp. 6427-6437					
	AZ	Heike STROBE, et al., "Efficient Display of Two Enzymes on Filamentous Phage Using an Improved Signal Sequence", Molecular Biotechnology, Vol. 24, No. 1, May 2003				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						
	BL						
	BM						
	BN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	BO						
	BP						
	BQ						
	BR						
	BS						
	BT						
	BU						
	BV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	BW	Sophie VICHIER-GUERRE, et al., "Iterative Cycles of In Vitro Protein Selection for DNA Polymerase Activity", Biocatalysis and Biotransformation, 2003, Vol. 21 (2). pp. 75-78					
	BX						
	BY						
	BZ					<input type="checkbox"/> Additional References sheet(s) attached	
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